Title (en)
ARTIFICIAL DISC PROSTHESIS

Title (de)
KÜNSTLICHE BANDSCHEIBENPROTHESE

Title (fr)
PROTHESE DE DISQUE ARTIFICIEL

Publication
**EP 1610740 A2 20060104 (EN)**

Application
**EP 04758711 A 20040402**

Priority
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Abstract (en)
[origin: US2006136061A1] A visco-elastic motion-limiting artificial intervertebral disc prosthesis is provided that mimics the physiologic function of a normal spinal disc. The disc comprises upper and lower endplates having therewithin channels or openings for optionally receiving one or more motion-limiting members fitted on each end with an enlarged portion. One or more compression stops is provided between the upper and lower endplates. Additionally, an elastomeric cushion is disposed between the endplates and surrounds the motion-limiting members. Also, force transducers and microelectronics can be utilized to provide data to the surgeon or the patient regarding the load state of the disc.

IPC 1-7
**A61F 7/00**

IPC 8 full level
A61F 2/44 (2006.01); A61F 2/00 (2006.01); A61F 2/30 (2006.01); A61F 2/46 (2006.01)

IPC 8 main group level
**A61F** (2006.01)

CPC (source: EP US)
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A61F 2002/30563 (2013.01 - EP US); A61F 2002/30604 (2013.01 - EP US); A61F 2002/30884 (2013.01 - EP US);
A61F 2002/30892 (2013.01 - EP US); A61F 2002/30904 (2013.01 - EP US); A61F 2002/3097 (2013.01 - EP US);
A61F 2002/4666 (2013.01 - EP US); A61F 2220/0025 (2013.01 - EP US); A61F 2220/0033 (2013.01 - EP US);
A61F 2220/0075 (2013.01 - EP US); A61F 2310/00017 (2013.01 - EP US); A61F 2310/00023 (2013.01 - EP US);
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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**US 2006136061 A1 20060622**; **US 7771478 B2 20100810**; EP 1610740 A2 20060104; EP 1610740 A4 20090408; US 2006142860 A1 20060629;
US 2006149377 A1 20060706; US 2006149384 A1 20060706; US 2006259143 A1 20061116; US 2006259145 A1 20061116;
US 2006259146 A1 20061116; US 7763075 B2 20100727; US 7763076 B2 20100727; US 7771480 B2 20100810; US 7806935 B2 20101005;
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**US 55209405 A 20051004**; EP 04758711 A 20040402; US 2004010000 W 20040402; US 36113106 A 20060224; US 36162106 A 20060224;
US 36173306 A 20060224; US 36188006 A 20060224; US 36189506 A 20060224; US 36242406 A 20060224